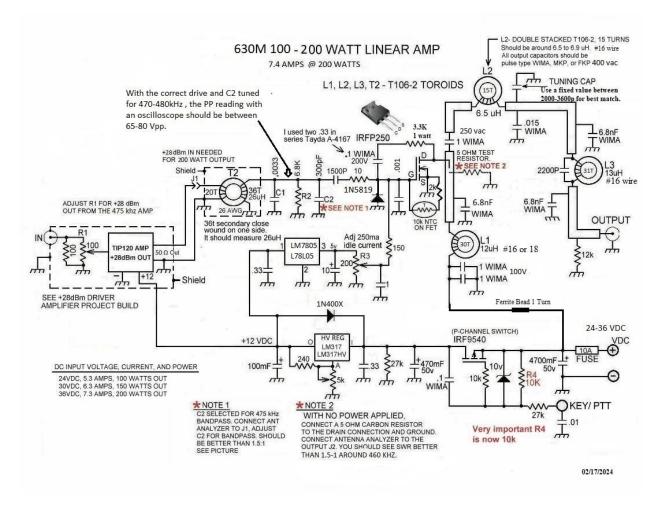
630M 100 to 200 WATT LINEAR AMP ADDITIONS TO THIS DOCUMENT WILL BE ADDED IF CHANGES ARE MADE.

Read the "IRFP250 MOSFET notes" on the home page.

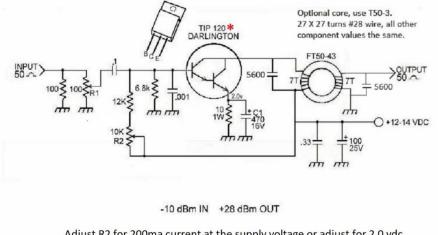
TIP120 amp schematic page 2



See final page for a larger print Schematic.

630 METER .6 WATT AMPLIFIER

Use STMicroelectronics device only for the TIP120.



Adjust R2 for 200ma current at the supply voltage or adjust for 2.0 vdc on the emitter of the TIP120.

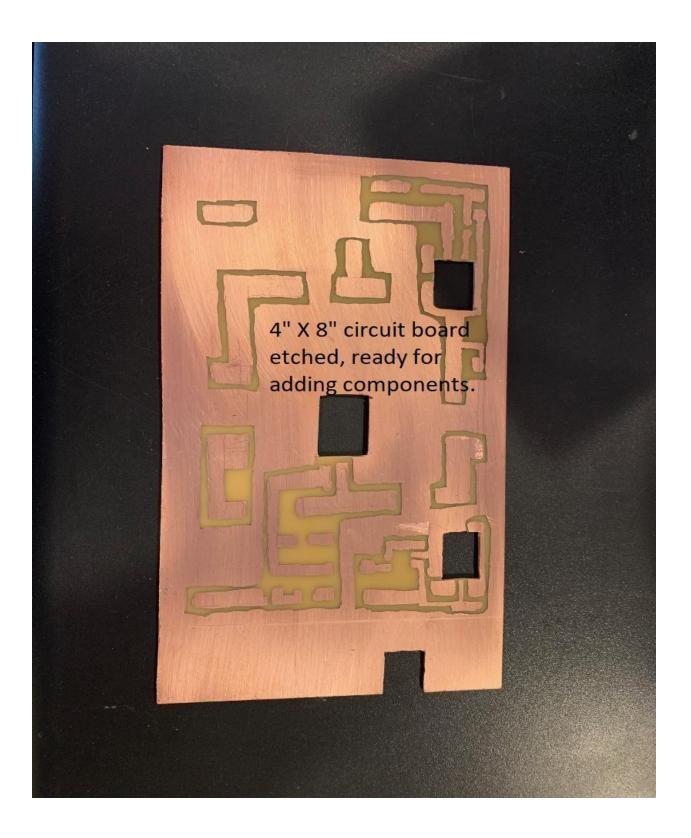
12-5-19

See next page for the two Cores that can be used in the Driver Amp.

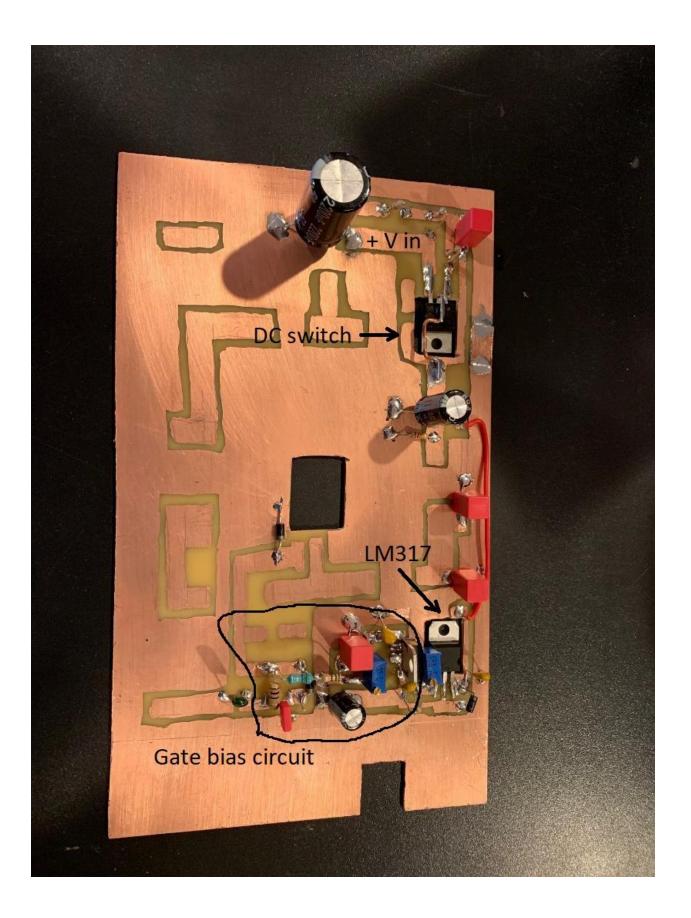


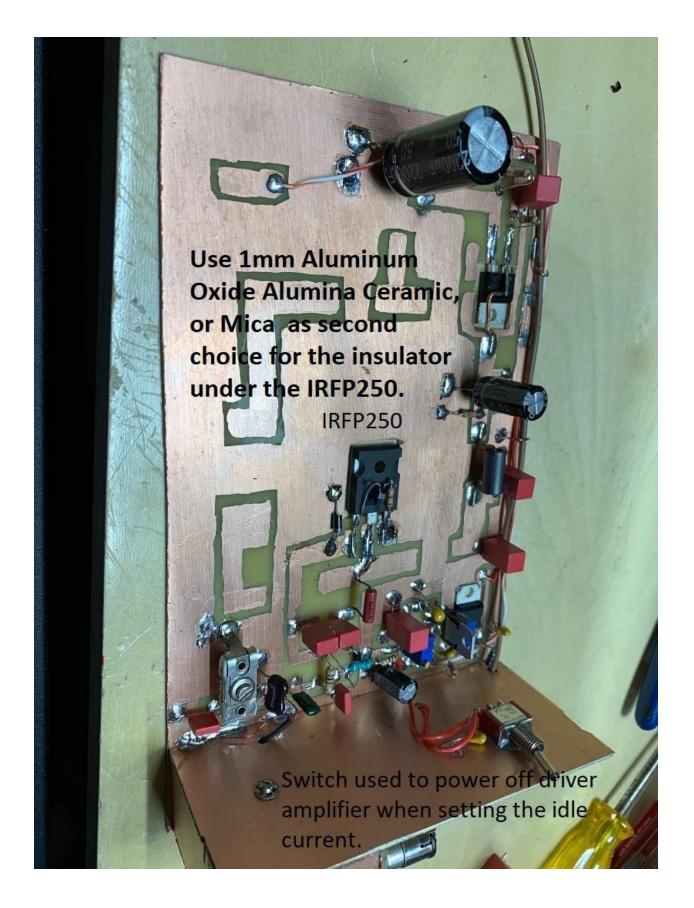
FT50-43, 7 X 7 turns

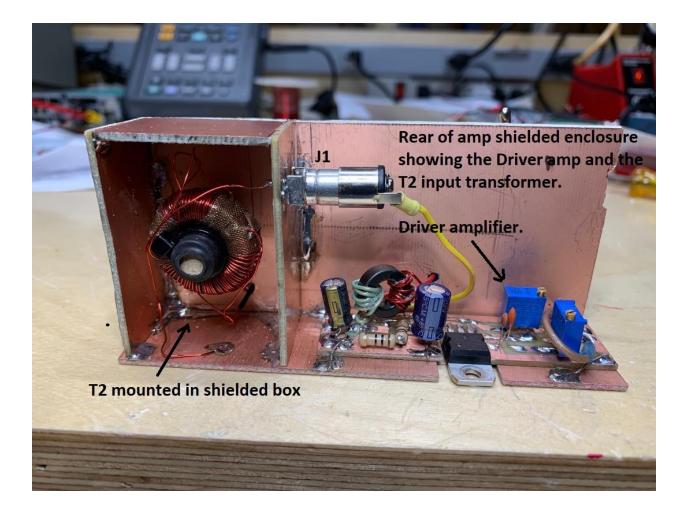
T50-3 27 X 27 turns # 28 AWG. This core is a slightly better performer in the circuit, but more difficult to wind.

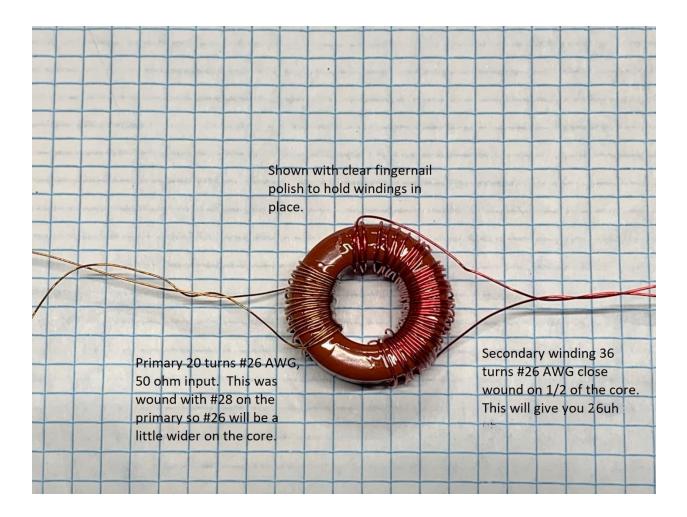


This is a hand laid out board, but I have factory etched boards available. See PCB board on my home page.

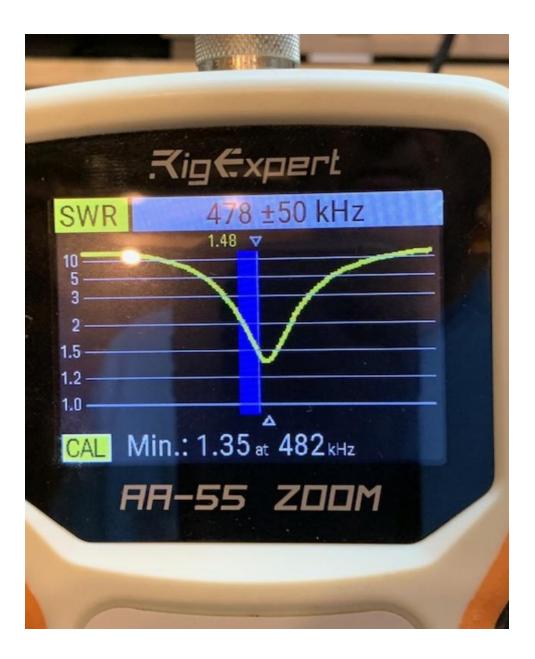




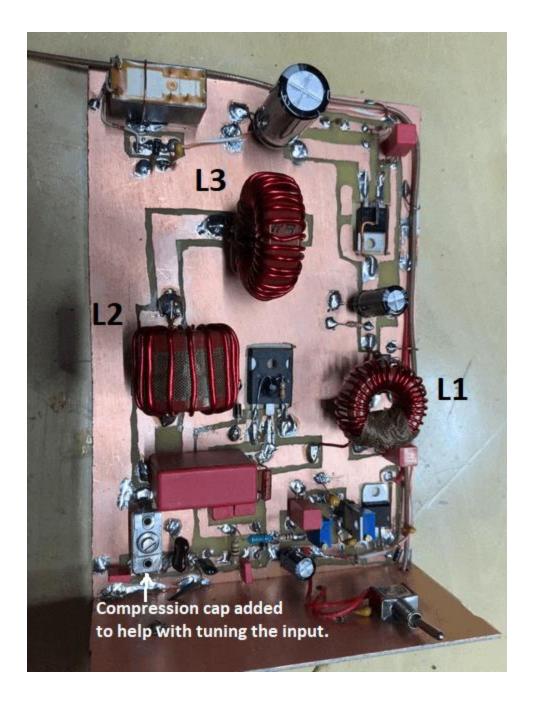


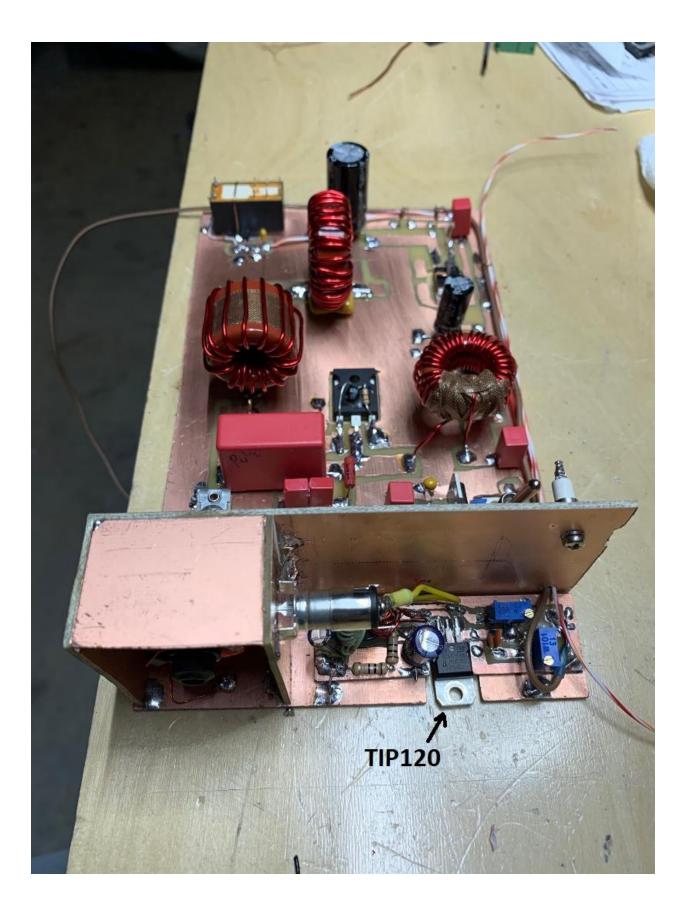


The proper winding technique for T2. If the frequency of the tuned circuit is too low just remove a turn or two from the secondary.



Analyzer connected to J1 input to the amplifier at T2. Picture shows the input circuit tuned to 482kHz. The sweep was done with no power applied to the amplifier. 482 is a little high but it still worked Ok. Adjust C2 until your within the 630M band.











Parts List 100-200 Watt Linear Amplifier

See Part BOM on main web page. http://wb4jwm.com/Parts%20BOM.pdf

